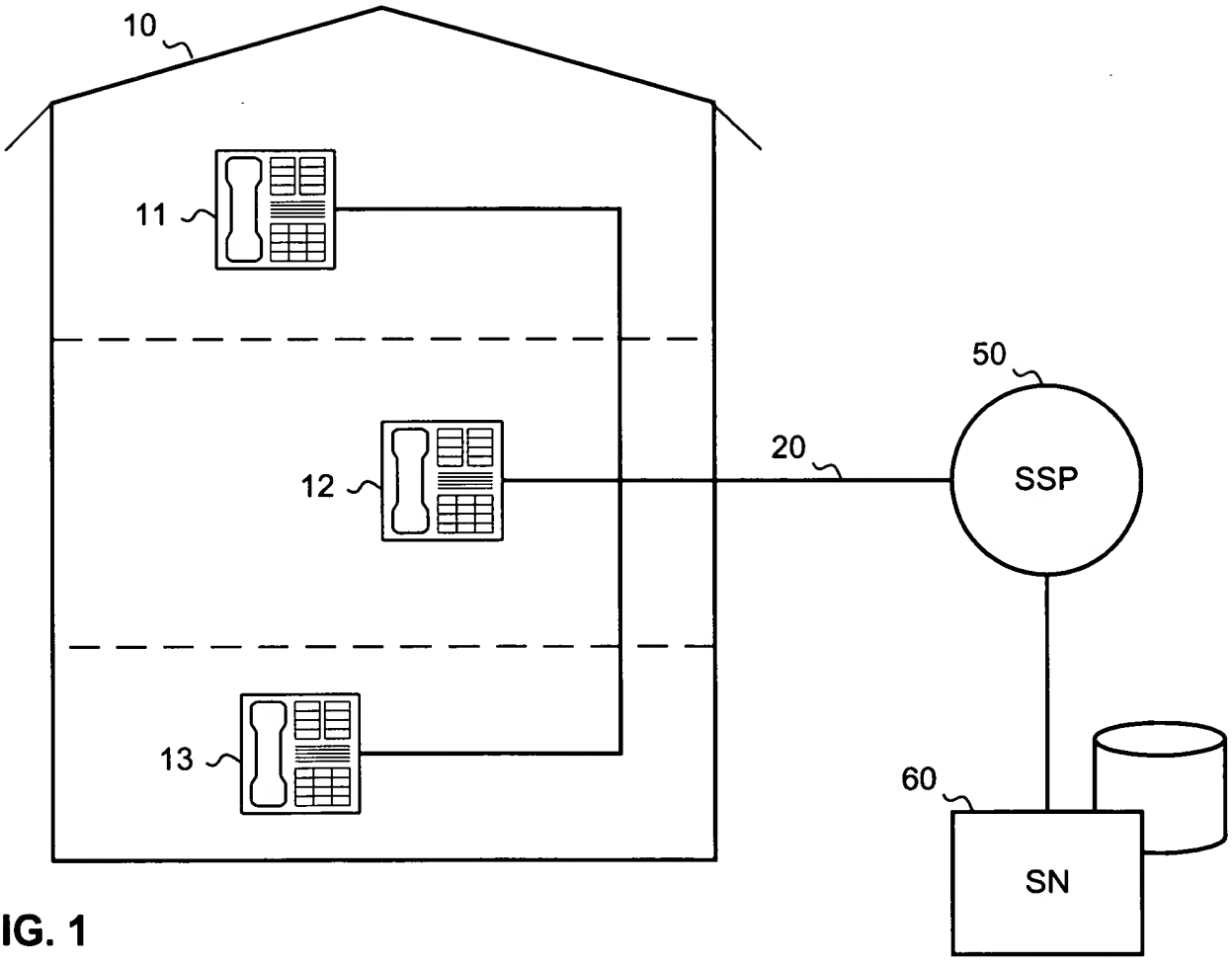


FIG. 1

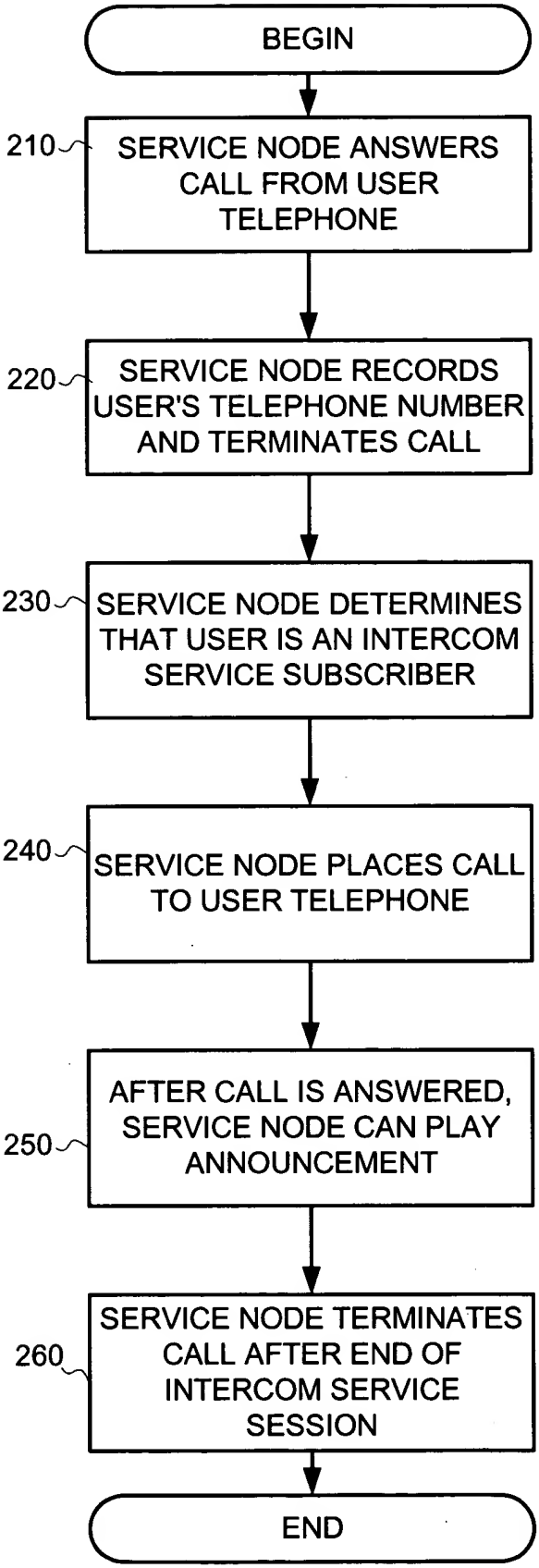

BEGIN
210
SERVICE NODE ANSWERS CALL FROM USER TELEPHONE
220
SERVICE NODE RECORDS USER'S TELEPHONE NUMBER AND TERMINATES CALL
230
SERVICE NODE DETERMINES THAT USER IS AN INTERCOM SERVICE SUBSCRIBER
240
SERVICE NODE PLACES CALL TO USER TELEPHONE
250
AFTER CALL IS ANSWERED, SERVICE NODE CAN PLAY ANNOUNCEMENT
260
SERVICE NODE TERMINATES CALL AFTER END OF INTERCOM SERVICE SESSION
END

FIG. 2

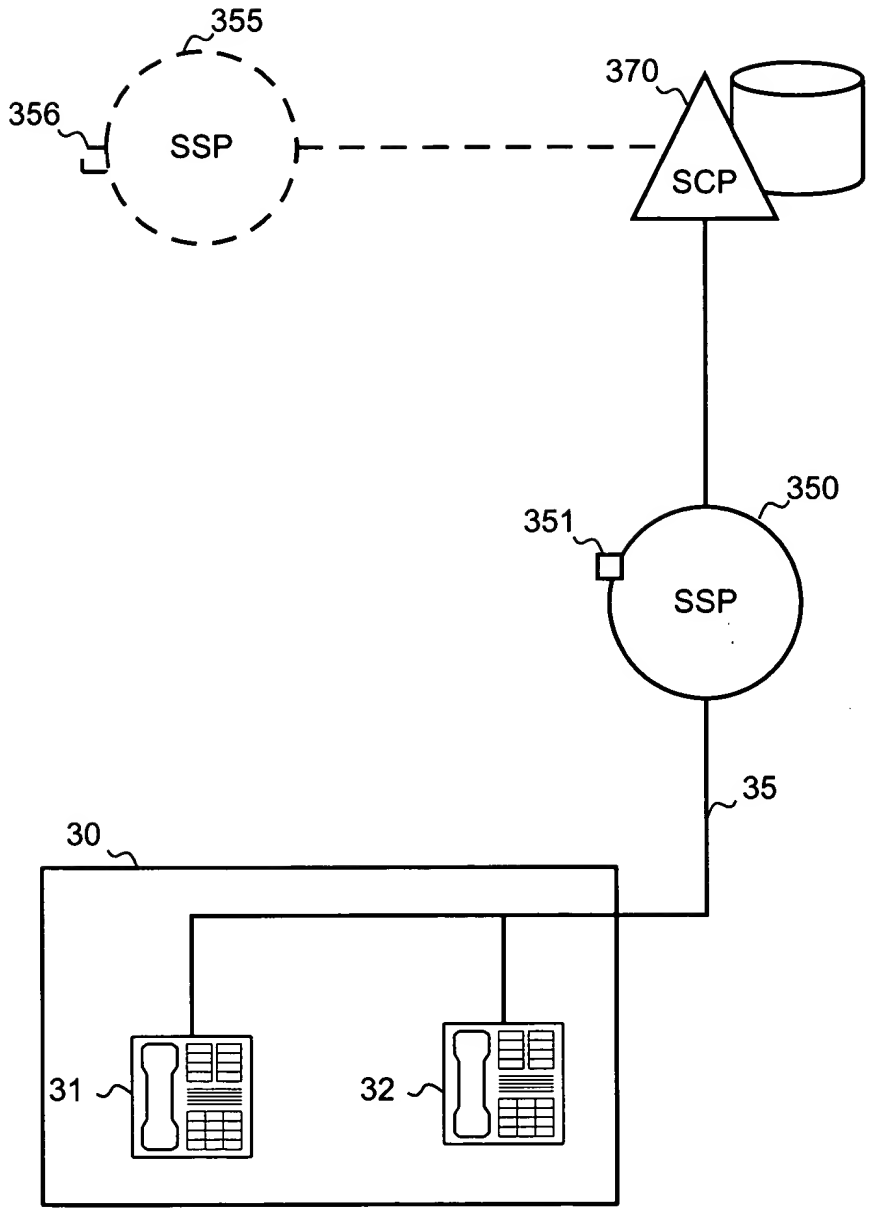


FIG. 3

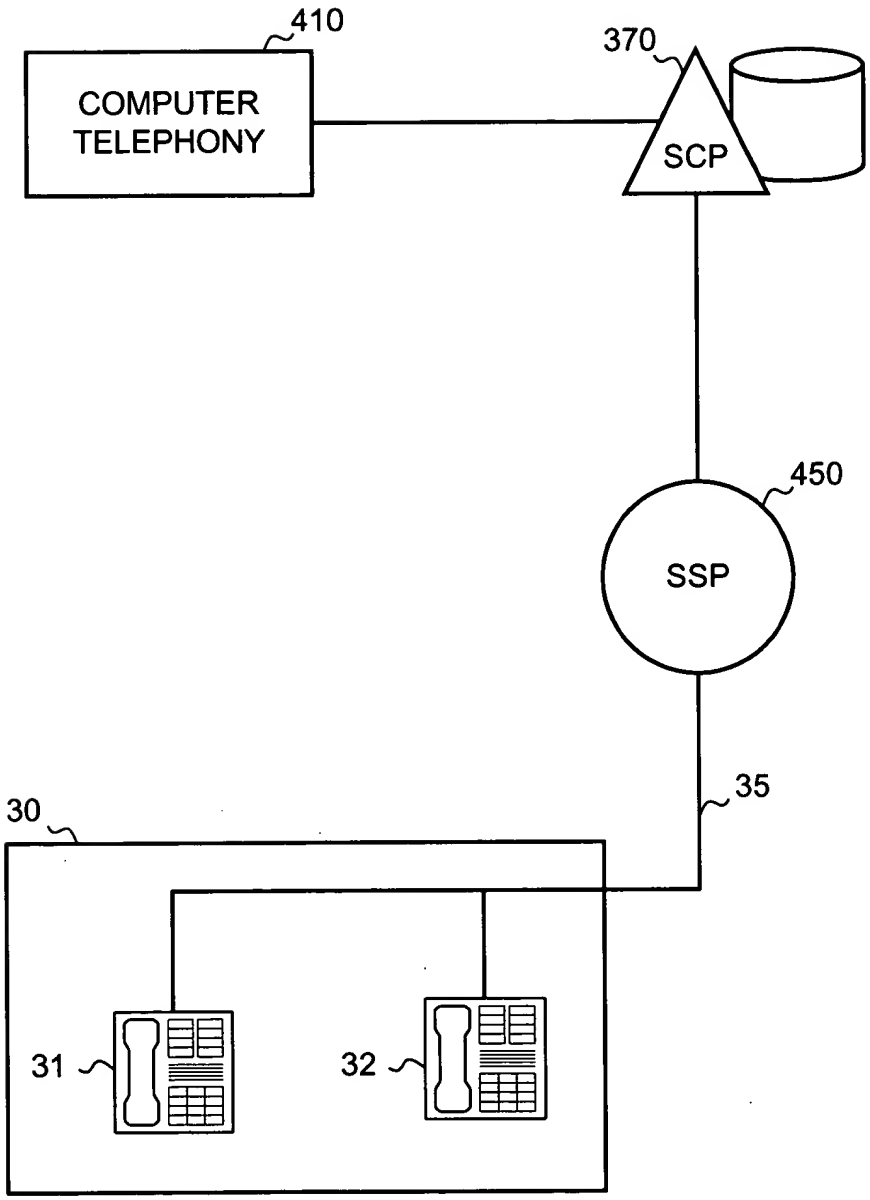


FIG. 4

FIG. 5

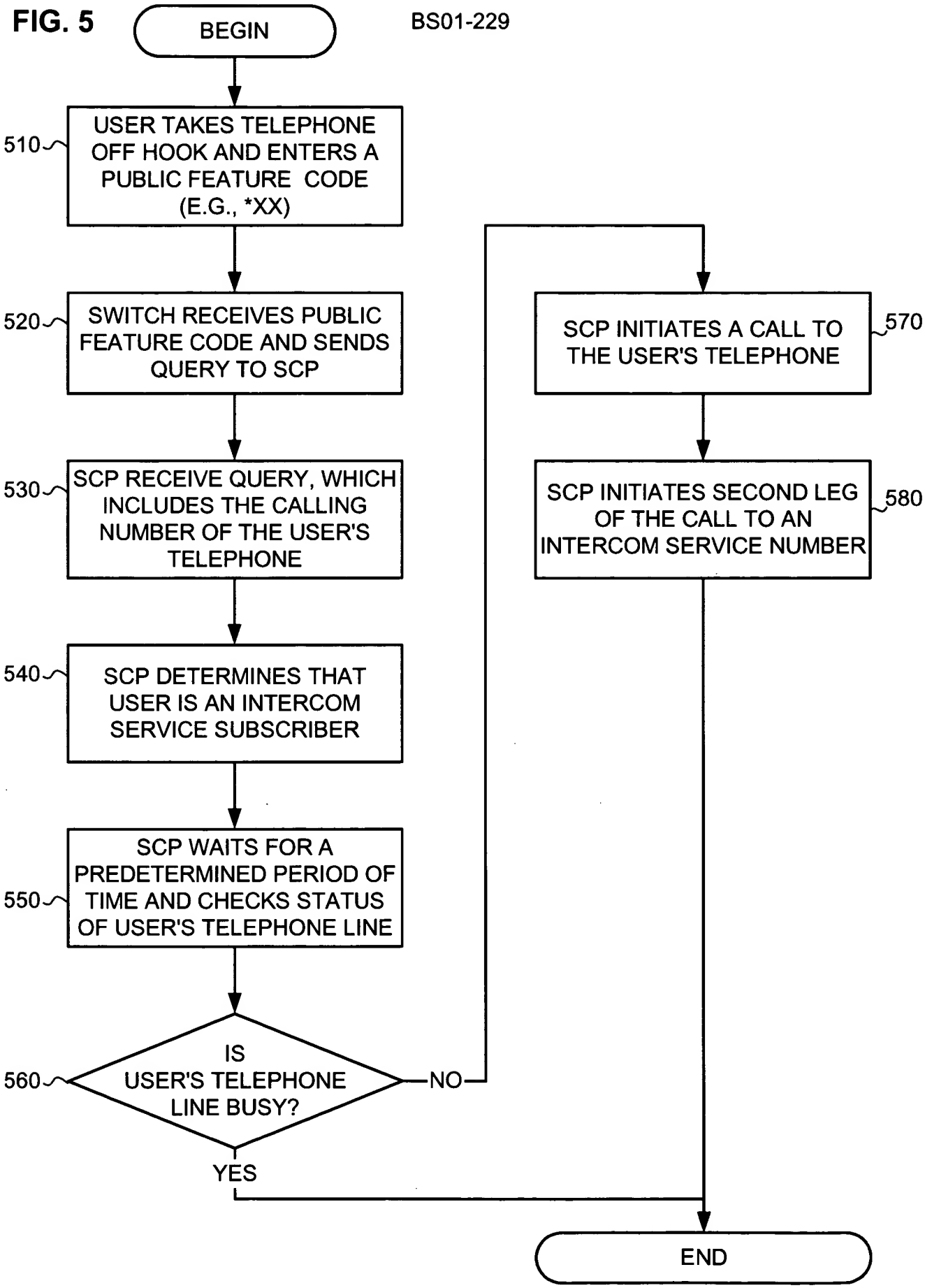
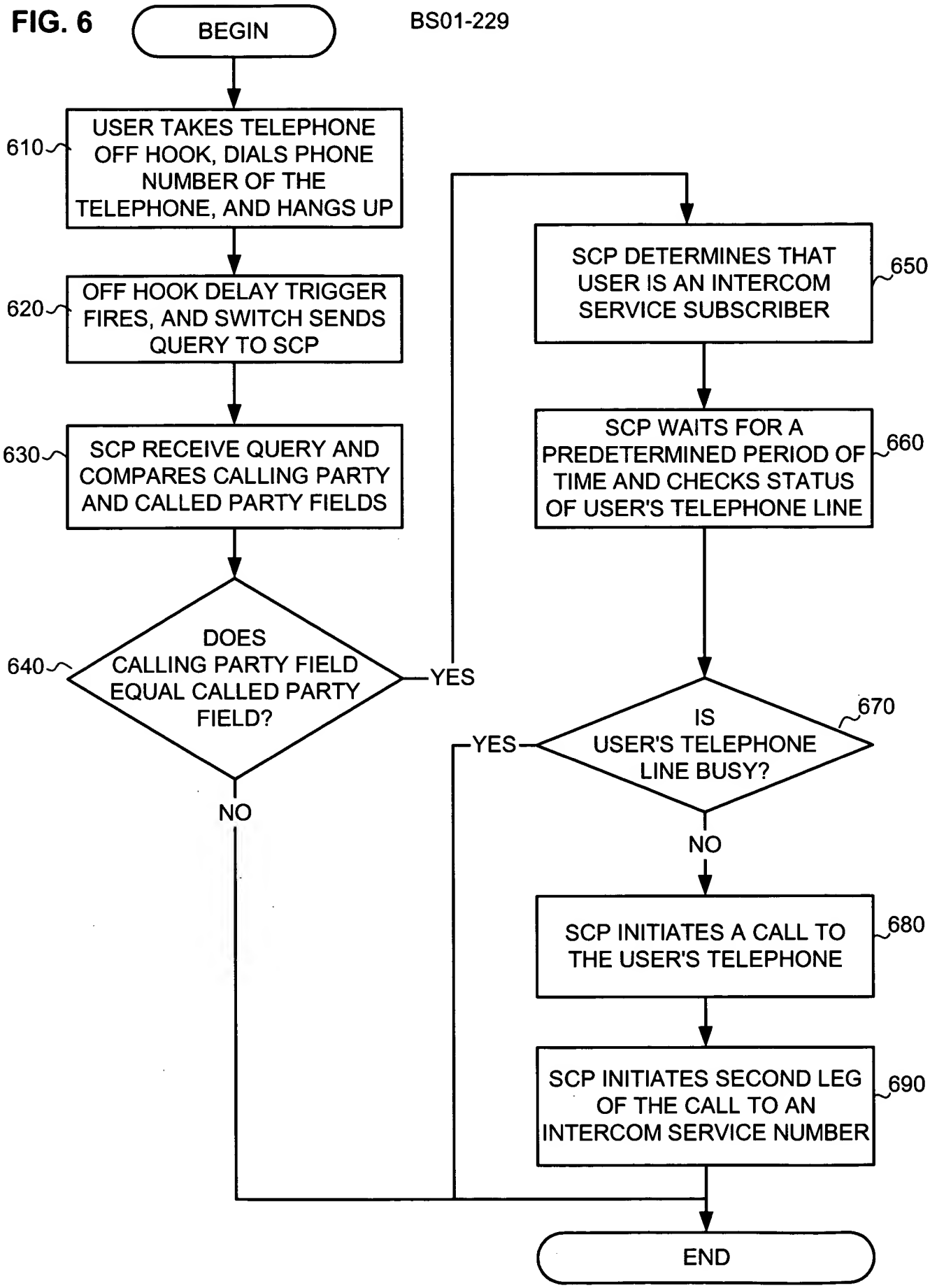

BEGIN
BS01-229
510
USER TAKES TELEPHONE OFF HOOK AND ENTERS A PUBLIC FEATURE CODE (E.G., *XX)
520
SWITCH RECEIVES PUBLIC FEATURE CODE AND SENDS QUERY TO SCP
530
SCP RECEIVE QUERY, WHICH INCLUDES THE CALLING NUMBER OF THE USER'S TELEPHONE
540
SCP DETERMINES THAT USER IS AN INTERCOM SERVICE SUBSCRIBER
550
SCP WAITS FOR A PREDETERMINED PERIOD OF TIME AND CHECKS STATUS OF USER'S TELEPHONE LINE
560
IS USER'S TELEPHONE LINE BUSY?
NO
YES
570
SCP INITIATES A CALL TO THE USER'S TELEPHONE
580
SCP INITIATES SECOND LEG OF THE CALL TO AN INTERCOM SERVICE NUMBER
END

FIG. 6


BEGIN
BS01-229
610
USER TAKES TELEPHONE OFF HOOK, DIALS PHONE NUMBER OF THE TELEPHONE, AND HANGS UP
620
OFF HOOK DELAY TRIGGER FIRES, AND SWITCH SENDS QUERY TO SCP
630
SCP RECEIVE QUERY AND COMPARES CALLING PARTY AND CALLED PARTY FIELDS
640
DOES CALLING PARTY FIELD EQUAL CALLED PARTY FIELD?
YES
NO
650
SCP DETERMINES THAT USER IS AN INTERCOM SERVICE SUBSCRIBER
660
SCP WAITS FOR A PREDETERMINED PERIOD OF TIME AND CHECKS STATUS OF USER'S TELEPHONE LINE
670
IS USER'S TELEPHONE LINE BUSY?
YES
NO
680
SCP INITIATES A CALL TO THE USER'S TELEPHONE
690
SCP INITIATES SECOND LEG OF THE CALL TO AN INTERCOM SERVICE NUMBER
END